

SUMMARY

The Advanced Reactors Transition (ART) Program, WBS 1.12.1.1, PBS RL-TP11, consists of the 309 Building and the Nuclear Energy (NE) Legacies activities

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, and Cost/Schedule data contained herein is as of February 29, 2000. All other information is as of March 21, 2000.

Through March the ART mission area technical accomplishments included continued surveillance and maintenance activities on the 309 Building and NE Legacy facilities. The reaction phase of water vapor-nitrogen process for residual sodium in T plant tank TK-3 was completed. The rinsing and drying phase is underway. The conceptual plan for packaging the Thermal Transient Loop cold trap and shipping it off site was completed. The concept development for reacting residual NaK in the 337 cold trap cooling loop was initiated. This loop was drained of bulk NaK in 1998.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

ACCOMPLISHMENTS

- Continued surveillance and maintenance activities on 309 Building and NE legacies.
- Completed reaction phase of water vapor-nitrogen process for residual sodium in T plant tank TK-3. Rinsing and drying phase is underway.
- Developed conceptual plan for packaging the Thermal Transient Loop cold trap and shipping it off site.
- Began concept development for reacting residual NaK in the 337 cold trap cooling loop. This loop was drained of bulk NaK in 1998.

SAFETY

Specific safety data for ART is included in the statistics for the FFTF and RCP Projects.

CONDUCT OF OPERATIONS / ISMS STATUS

Specific Conduct of Operations information for ART is included in the FFTF and RCP Projects.

ISMS STATUS

The ISMS Internal Readiness Review progress included the Phase 1 portion to identify all implementing documents.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement were identified at this time.

UPCOMING ACTIVITIES

Complete the rinsing and drying for cleaning of sodium residue from T Plant tank TK-3.

Initiate cleaning of the sodium potassium (NaK) residuals from the 337B Building cold trap cooling loop.

COST PERFORMANCE (\$0.1M):

	BCWP	ACWP	VARIANCE
Advanced Reactors Transition	\$0.5	\$0.5	+\$0.0

There is no significant cost variance.

SCHEDULE PERFORMANCE (\$0.0M):

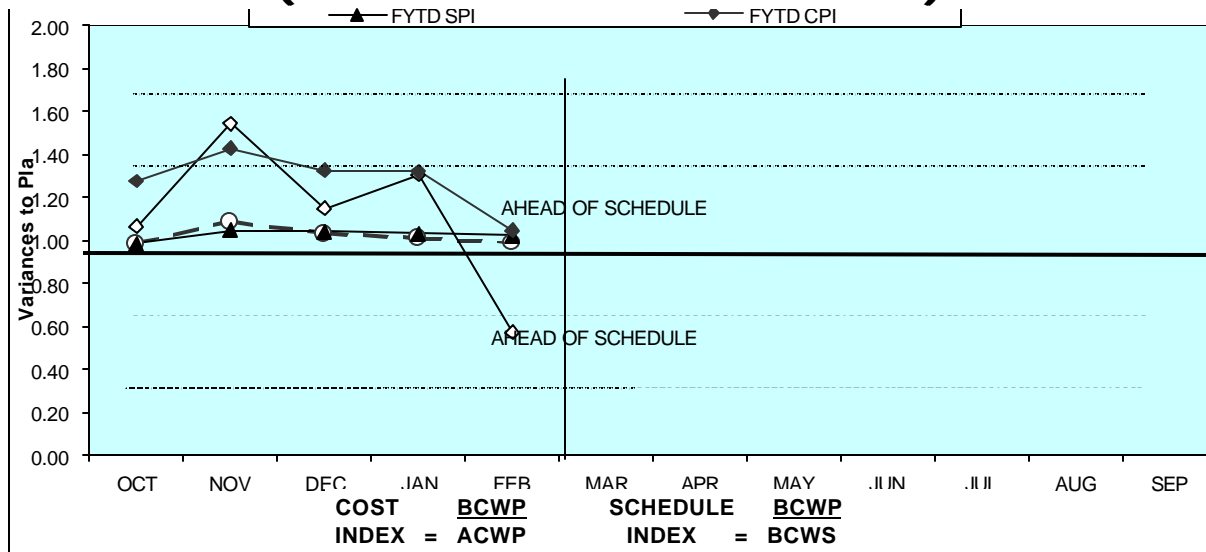
	BCWP	BCWS	VARIANCE
Advanced Reactors Transition	\$0.5	\$0.5	+\$0.0

There is no significant schedule variance.

FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

		FYTD							
Bv	PBS	BCWS	BCWP	ACWP	SV	%	CV	%	PEM
WBS 1.12	Advanced Reactors								
TP11	Transition	\$ 471	\$ 483	\$ 461	\$ 12	3%	\$ 22	5%	\$ 1,454
	Total	\$ 471	\$ 483	\$ 461	\$ 12	3%	\$ 22	5%	\$ 1,454

COST/SCHEDULE PERFORMANCE INDICES (FEBRUARY 2000 AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.99	1.09	1.03	1.01	0.99							
MONTHLY CPI	1.07	1.54	1.15	1.31	0.57							
FYTD SPI	0.99	1.05	1.04	1.03	1.03							
FYTD CPI	1.28	1.43	1.33	1.32	1.05							
MONTHLY BCWS	\$79	\$112	\$89	\$93	\$98							
MONTHLY BCWP	\$78	\$122	\$92	\$94	\$97							
MONTHLY ACWP	\$73	\$79	\$80	\$72	\$169							
FYTD BCWS	\$79	\$191	\$280	\$373	\$471							
FYTD BCWP	\$78	\$200	\$292	\$386	\$483							
FYTD ACWP	\$61	\$140	\$220	\$292	\$461							

COST VARIANCE ANALYSIS: (+ \$0.1M)

WBS/PBS Title

1.12/TP11 Advanced Reactors Transition

Description and Cause: The favorable cost variance of \$0.1M (25 percent) is due to no significant corrective maintenance activities being required.

Impact: None.

Corrective Action: None.

SCHEDULE VARIANCE ANALYSIS: (+ \$0.0M)

WBS/PBS Title

1.12/TP11 Advanced Reactors Transition

Description and Cause: None.

Impact: None.

Corrective Action: None.

ISSUES

Nothing to report at this time.

BASLINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT \$000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
ART-2000-003	2/11/00	FY 1999 Carry Over Funds and Scope	218	X	X	2/12/00	2/17/00	2/24/00	Approved
ADVANCE WORK AUTHORIZATIONS									
NE-001	2/16/00	337 High Bay Cold Trap Cooling Loop	35	X	X	2/17/00	2/17/00	2/23/00	Approved
NE-002	2/16/00	Transfer Waste (TW) Tank Farm Ion Exchange Column	35	X	X	2/17/00	2/17/00	2/23/00	Approved

MILESTONE ACHIEVEMENT

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

Tri-Party Agreement / EA Milestones
Nothing to report
DNFSB Commitments
Nothing to report.

MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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OVERDUE – 0

FORECAST LATE – 0

PERFORMANCE OBJECTIVES

Nothing to report.

KEY INTEGRATION ACTIVITIES

Nothing to report.